

## **ABSTRACT**

A system and method of increasing message throughput in a communications system utilizing priority management, conglomeration and compression, TCP retransmission filtering and pull transmission. The priority manager ranks the messages in a message queue as a function of the priority and time to live of each message. The conglomerator conglomerates messages into assemblies destined for the same destination radio. The TCP filter prevents the retransmission of successfully received messages. The messages are transmitted as a function of the availability of the destination radio to receive.